

means for communicating the hypertext document to a user for display.

21. A web-based file review system for storing and managing comments from a plurality of reviewers, the comments being associated with one or more webs of source files, comprising a parser to parse a selected one of the set of source files into a linked list of objects corresponding to a hypertext representation of the selected source file, the linked list further comprising comment insertion objects and comment display objects, the parser writing the linked list of objects to a binary markup file representing the linked list of objects and corresponding to the selected one of the set of source files, each comment display object associated with one or more comments,

a set of comment files, each comment file being associated with a one of the set of source files and comprising data representing comments associated with the one of the set of source files,

common gateway interface program code means for accepting new comments for inclusion in the set of comments associated with a reviewer-defined source file and for updating the associated comment file,

common gateway interface program code means for generating a hypertext document from a markup file corresponding to reviewer-selected source file and from the associated comment file, the hypertext document corresponding to the reviewer-selected source file, wherein said source file is selected using conventional browser requests,

and

the hypertext document including portions corresponding to one or more of the set of comments associated with the reviewer-selected source file, the hypertext data for each portion relating to a comment to be displayed being defined by the associated comment display object,

the hypertext document selectively including hypertext links representing comment insertion objects, the hypertext links providing reviewers with forms for reviewer entry of comments,

the hypertext document selectively including hypertext data for calling the common gateway interface program for generating a hypertext document and the hypertext document selectively including hypertext data for calling the common gateway interface program for accepting new comments,

C2
means for communicating the hypertext document to a browser for display.

25. An article of manufacture comprising:

es
D1
am4
a computer usable medium having computer readable program code means embodied therein for causing the storage and management of comments in a web-based file review system, the comments being from a plurality of reviewers, and being associated with one or more webs of source files, the computer readable program code means in the article of manufacture comprising

computer readable program code means for causing a computer to parse a selected one of the set of source files into a linked list of objects corresponding to a hypertext representation of the selected source file, the linked list further comprising comment insertion objects and comment display objects, the parser writing the linked list of objects to a binary markup file representing the linked list of objects and corresponding to the selected one of the set of source files, each comment display object associated with one or more comments,

computer readable program code means for causing the computer to create and manage a set of comment files, each comment file being associated with a one of the set of source files and comprising data representing comments associated with the one of the set of source files,

computer readable program code means for causing the computer to accept new comments for inclusion in the set of comments associated with a reviewer-defined source file and to update the associated comment file,

computer readable program code means for causing the computer to generate a hypertext document from a markup file corresponding to reviewer-selected source file and from the associated comment file, the hypertext document corresponding to the reviewer-selected source file, wherein said source file is selected responsive to conventional browser requests and

the hypertext document including portions corresponding to one or more of the set of comments associated with the reviewer-selected source file, the hypertext data for each portion relating to a comment to be displayed being defined by the associated comment display object,

CS
10/1
amt

the hypertext document selectively including hypertext links representing comment insertion objects, the hypertext links providing reviewers with forms for reviewer entry of comments,

the hypertext document selectively including hypertext data for calling the common gateway interface program for generating a hypertext document and the hypertext document selectively including hypertext data for calling the common gateway interface program for accepting new comments,

computer readable program code means for causing the computer to communicate the hypertext document to a browser for display.

29. A computer program product for use with a hypertext server, the computer program product comprising:

CA

a computer usable medium having computer readable program code means embodied in the medium for causing the storage and management of comments in a web-based file review system, the comments being from a plurality of reviewers, and being associated with one or more webs of source files, the computer program product having:

computer readable program code means for causing a computer to parse a selected one of the set of source files into a linked list of objects corresponding to a hypertext representation of the selected source file, the linked list further comprising comment insertion objects and comment display objects, the parser writing the linked list of objects to a binary markup file representing the linked list of objects and corresponding to the selected one of the set of source files, each comment display object associated with one or more comments,

computer readable program code means for causing the computer to create and manage a set of comment files, each comment file being associated with a one of the set of source files and comprising data representing comments associated with the one of the set of source files,

computer readable program code means for causing the computer to accept new comments for inclusion in the set of comments associated with a reviewer-defined source file and to update the associated comment file,

computer readable program code means for causing the computer to generate a hypertext document from a markup file corresponding to reviewer-selected source file

and from the associated comment file, the hypertext document corresponding to the reviewer-selected source file, wherein said source file is selected responsive to conventional browser requests, and

the hypertext document including portions corresponding to one or more of the set of comments associated with the reviewer-selected source file, the hypertext data for each portion relating to a comment to be displayed being defined by the associated comment display object,

the hypertext document selectively including hypertext links representing comment insertion objects, the hypertext links providing reviewers with forms for reviewer entry of comments,

the hypertext document selectively including hypertext data for calling the common gateway interface program for generating a hypertext document and the hypertext document selectively including hypertext data for calling the common gateway interface program for accepting new comments,

computer readable program code means for causing the computer to communicate the hypertext document to a browser for display.

33. A method for storing and managing a set of comments associated with a source file, in a file review system, the method comprising the steps of
- requesting the source file using conventional browser requests,
 - accepting data from the source file and storing a representation of the source file as a markup file,
 - creating a comment file containing data representing the set of comments associated with the source file,
 - responding to user input to accept new comments for inclusion in the set of comments associated with the source file and for updating the comment file to correspond to the complete set of comments,
 - responding to user input to dynamically generate a hypertext document from the markup file and from the comment file, the hypertext document corresponding to the source file and including portions corresponding to one or more of the set of comments associated with the source file,
 - communicating the hypertext document to a user for display.

39. A method for storing and managing comments in a web-based file review system, the comments being from a plurality of reviewers and being associated with one or more webs of source files, comprising the steps of

parsing a selected one of the set of source files into a linked list of objects corresponding to a hypertext representation of the selected source file, the linked list further comprising comment insertion objects and comment display objects, the parser writing the linked list of objects to a binary markup file representing the linked list of objects and corresponding to the selected one of the set of source files, each comment display object associated with one or more comments,

on review request, accepting new comments for inclusion in the set of comments associated with a reviewer-defined source file and for updating an associated comment file, the comment file being associated with a one of the set of source files and comprising data representing comments associated with the one of the set of source file,

dynamically generating a hypertext document from a markup file corresponding to reviewer- selected source file and from the associated comment file, the hypertext document corresponding to the reviewer-selected source file, wherein said source file is selected responsive to conventional browser requests, and

the hypertext document including portions corresponding to one or more of the set of comments associated with the reviewer-selected source file, the hypertext data for each portion relating to a comment to be displayed being defined by the associated comment display object,

the hypertext document selectively including hypertext links representing comment insertion objects, the hypertext links providing reviewers with forms for reviewer entry of comments,

the hypertext document selectively including hypertext data for calling a common gateway interface program for generating a hypertext document and the hypertext document selectively including hypertext data for calling the common gateway interface program for accepting new comments,

communicating the hypertext document to a browser for display.